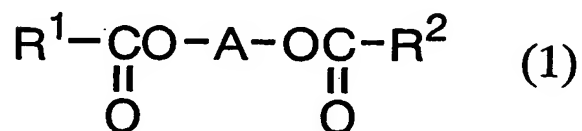


CLAIMS

1. (Amended) A lubricating oil for bearings comprising

5 (a) a diester represented by General Formula (1)



wherein R¹ and R² are the same or different, and each represents a
C₃-C₁₇ linear alkyl group; A represents a monoalkyl substituted linear
10 alkylene group, and the total number of carbon atoms of the alkyl group
and the linear alkylene group is 4 to 6; or a mixture of the diester
and an additional base oil, and

(b) at least one member selected from the group consisting of
phenol-based antioxidants and amine-based antioxidants.

15

2. (Cancelled)

20 3. (Cancelled)

25 4. (Cancelled)

5. A lubricating oil for bearings according to Claim 1, wherein A is a 3-methyl-1,5-pentanediol residue (i.e., $-\text{CH}_2\text{CH}_2-\text{CH}(\text{CH}_3)-\text{CH}_2\text{CH}_2-$).
- 5
6. A lubricating oil for bearings according to Claim 1, wherein R^1 and R^2 are the same or different, and each represents a C_3 - C_{11} linear alkyl group.
- 10 7. A lubricating oil for bearings according to Claim 1, wherein the diester represented by General Formula (1) is a diester of a member selected from the group consisting of 2-methyl-1,3-propanediol, 1,3-butanediol, 2-methyl-1,4-butanediol, 1,4-pentanediol, 2-methyl-1,5-pentanediol, 3-methyl-1,5-pentanediol and
- 15 1,5-hexanediol and a member selected from C_7 - C_{10} saturated aliphatic linear monocarboxylic acids.
8. A lubricating oil for bearings according to Claim 1, wherein the diester represented by General Formula (1) is a diester obtained from
- 20 3-methyl-1,5-pentanediol, and at least one member selected from the group consisting of *n*-heptanoic acid, *n*-octanoic acid, *n*-nonanoic acid and *n*-decanoic acid.
9. A lubricating oil for bearings according to Claim 1, wherein the
- 25 diester represented by General Formula (1) is at least one member selected from the group consisting of 3-methyl-1,5-pentanediol di(*n*-octanoate) and 3-methyl-1,5-pentanediol di(*n*-nonanoate).
10. A lubricating oil for bearings according to Claim 1, wherein the
- 30 diester represented by General Formula (1) is a diester obtained from two kinds of fatty acids selected from C_7 - C_{10} saturated aliphatic linear monocarboxylic acids, and one kind of dihydric alcohol selected from the group consisting of 2-methyl-1,3-propanediol, 1,3-butanediol, 2-methyl-1,4-butanediol, 1,4-pentanediol, 2-methyl-1,5-pentanediol,
- 35 3-methy

- benzotriazole + (n-dodecyl) gallate,
- 5-methyl-1H-benzotriazolebenzotriazole + (n-propyl) gallate,
- 5 • 5-methyl-1H-benzotriazole + (n-octyl) gallate, or
- 5-methyl-1H-benzotriazole + (n-dodecyl) gallate.

24. (Amended) A lubricating oil for bearings according to Claim 1,
having a kinematic viscosity at 40°C of 5-10 mm²/s and a kinematic
10 viscosity at 0°C of 15-40 mm²/s.